AMENDMENT

To the Claims:

1-7 (Canceled)

8. (Currently amended) A pixel array, comprising:

M*N pixels, each row of the pixels having a plurality of pixel sets, wherein

the alternating pixel sets j[[th]] and the $(j+1)^{th}$ ~~pixel sets~~ from the beginning to the end of the ith row of the pixels substantially have different driving polarity, wherein all of the pixels in the jth pixel set of the ith row of the pixels substantially have same driving polarity, and all of the pixels in the $(j+1)^{th}$ pixel set of the ith row of the pixels substantially have the same driving polarity, where M, N, i and j are positive integers;

the alternating pixel sets j[[th]] and the $(j+1)^{th}$ ~~pixel sets~~ from the beginning to the end of the $(i+1)^{th}$ row of the pixels substantially have different driving polarity, wherein all the of pixels in the jth pixel set of the $(i+1)^{th}$ row of the pixels substantially have same driving polarity, and all of the pixels in the $(j+1)^{th}$ pixel set of the $(i+1)^{th}$ row of the pixels substantially have the same driving polarity;

the jth pixel set of the ith row of the pixels and the jth pixel set of the $(i+1)^{th}$ row of the pixels substantially have different driving polarity; and

the $(j+1)^{th}$ pixel set of the ith row of the pixels and the $(j+1)^{th}$ pixel set of the $(i+1)^{th}$ row of the pixels substantially have different driving polarity;

a plurality of data lines for respectively providing a corresponding pixel voltage, wherein ~~the polarity of the pixel voltage provided by the kth data line is opposite to the~~

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~~polarity of the pixel voltage provided by the (k+1)th data line, where k is a positive integer~~ all of the alternating data lines respectively provide the pixel voltages having opposite polarity; and

a plurality of gate lines, wherein the rth gate line is ~~merely~~ used for turning on all only odd pixels in the jth and the (j+1)th pixel sets of the ith row of the pixels and only all even pixels in the jth and the (j+1)th pixel sets of the (i+1)th row of the pixels, where r is a positive integer.

9. (Previously presented) The pixel array according to claim 8, wherein each pixel set comprises 3 pixels or a multiple of 3 pixels.

10-11. (Cancel)